

## EAST Search History

| Ref # | Hits | Search Query    | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|------|-----------------|---|------------------|---------|------------------|
| L1    | 2    | ("4275413").PN. | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2006/08/31 18:15 |
| L2    | 2    | ("5061049").PN. | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2006/08/31 18:16 |
| L3    | 2    | ("5280277").PN. | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2006/08/31 18:17 |
| L4    | 2    | ("5623281").PN. | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2006/08/31 18:18 |
| L5    | 2    | ("5726718").PN. | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2006/08/31 18:19 |
| L6    | 2    | ("6061049").PN. | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2006/08/31 18:20 |
| L7    | 2    | ("6310591").PN. | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2006/08/31 18:21 |
| L8    | 2    | ("6342898").PN. | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2006/08/31 18:21 |
| S1    | 220  | 345/691.ccls.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/08/16 18:41 |

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|     |       |   |   |    |    |                  |
|-----|-------|---|---|----|----|------------------|
| S2  | 74445 | "345"/\$.ccls.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/08/16 16:41 |
| S3  | 63583 | S2 and @ad<"20030930"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/08/15 19:03 |
| S4  | 300   | S3 and (digital adj1 micro adj1 mirror)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/08/15 19:04 |
| S5  | 74871 | "345"/\$.ccls.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/02 18:38 |
| S6  | 63691 | S5 and @ad<"20030930"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/02 19:33 |
| S7  | 771   | S6 and ((digital adj1 micro adj1 mirror) or DMD)                                    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/04 19:47 |
| S8  | 18    | S7 and ((gray or grey) adj1 scale) with ((pulse adj1 width adj1 modulation) or PWD) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/02 19:33 |
| S9  | 1539  | 345/690-697.ccls.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/08/16 15:25 |
| S10 | 1214  | S9 and @ad<"20030930"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/08/16 15:30 |
| S11 | 105   | S10 and ((digital adj1 micro adj1 mirror) or DMD)                                   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/08/16 15:30 |

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|-----|------|--|---|----|----|------------------|
| S12 | 8    | S11 and ((gray or grey) adj1 scale) with ((pulse adj1 width adj1 modulation) or PWD) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/02 19:44 |
| S13 | 39   | S10 and ((gray or grey) adj1 scale) with ((pulse adj1 width adj1 modulation) or PWD) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/02 20:06 |
| S14 | 698  | 345/63.ccls.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/08/16 16:01 |
| S15 | 545  | S14 and @ad<"20030930"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/08/16 16:01 |
| S16 | 35   | S15 and ((digital adj1 micro adj1 mirror) or DMD)                                    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/08/16 16:02 |
| S17 | 8    | S15 and ((gray or grey) adj1 scale) with ((pulse adj1 width adj1 modulation) or PWD) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/08/16 16:01 |
| S18 | 100  | ((digital adj1 micro adj1 mirror) or DMD) with display with bit\$1                   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/04 19:56 |
| S19 | 11   | S18 and ((gray or grey) adj1 scale) with ((pulse adj1 width adj1 modulation) or PWD) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/08/16 16:32 |
| S20 | 1535 | 359/212-214.ccls.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/08/16 16:32 |
| S21 | 1341 | S20 and @ad<"20030930"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/04 19:47 |

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|     |       |   |   |    |    |                  |
|-----|-------|---|---|----|----|------------------|
| S22 | 27    | S21 and ((digital adj1 micro adj1 mirror) or DMD) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/04 19:47 |
| S23 | 226   | 345/691.ccls.                                     | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/08/15 18:24 |
| S24 | 76053 | "345"/\$.ccls.                                    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/08/15 19:03 |
| S25 | 64108 | S24 and @ad<"20030930"                            | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/08/15 19:03 |
| S26 | 305   | S25 and (digital adj1 micro adj1 mirror)          | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/08/15 19:04 |
| S27 | 1580  | 345/690-697.ccls.                                 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/08/16 15:25 |
| S28 | 9178  | "2" and ((digital adj1 micro adj1 mirror) or DMD) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/08/16 15:31 |
| S29 | 1239  | S27 and @ad<"20030930"                            | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/08/16 15:31 |
| S30 | 109   | S29 and ((digital adj1 micro adj1 mirror) or DMD) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/08/16 15:31 |
| S31 | 716   | 345/63.ccls.                                      | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/08/16 16:01 |

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|     |        |   |   |    |    |                  |
|-----|--------|---|---|----|----|------------------|
| S32 | 553    | S31 and @ad<"20030930"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/08/16 16:41 |
| S33 | 8      | S32 and ((gray or grey) adj1 scale) with ((pulse adj1 width adj1 modulation) or PWD)                | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/08/16 16:21 |
| S34 | 35     | S32 and ((digital adj1 micro adj1 mirror) or DMD)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/08/16 16:02 |
| S35 | 1543   | 359/212-214.ccls.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/08/16 16:32 |
| S36 | 3      | S35 and ((gray or grey) adj1 scale) with ((pulse adj1 width adj1 modulation) or PWD)                | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/08/16 16:33 |
| S37 | 76053  | "345"/\$.ccls.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/08/16 16:41 |
| S38 | 64108  | S37 and @ad<"20030930"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/08/16 18:41 |
| S39 | 130062 | S38 and color with bit\$1 with (section\$1 or portion\$1 or group\$1) wih digital with select\$4    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/08/16 16:44 |
| S40 | 8      | S38 and (color with bit\$1 with (section\$1 or portion\$1 or group\$1) with digital with select\$4) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/08/16 18:42 |
| S41 | 7      | ("5264927").URPN.   | USPAT   | OR | ON | 2006/08/16 16:57 |
| S42 | 7      | ("5264927").URPN.   | USPAT   | OR | ON | 2006/08/16 17:58 |

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|     |      |  |   |    |     |                  |
|-----|------|--|---|----|-----|------------------|
| S43 | 1844 | 345/593-605.ccls.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/08/16 18:41 |
| S44 | 1626 | S43 and @ad<"20030930"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/08/16 18:41 |
| S45 | 36   | S44 and (color with bit\$1 with<br>(section\$1 or portion\$1 or<br>group\$1) with select\$4) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/08/16 18:42 |
| S46 | 209  | pettitt.IN.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/08/31 16:53 |
| S47 | 38   | S46 and gregory  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/08/31 16:53 |
| S48 | 2    | ("6445505").PN.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/08/31 15:32 |
| S49 | 2    | ("5233385").PN.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/08/31 15:32 |
| S50 | 6    | ("5061049"   "5583688"  <br>"6054832"   "6266105"  <br>"6310591"   "6324006").PN.            | US-PGPUB;<br>USPAT;<br>USOCR                            | OR | ON  | 2006/08/31 16:22 |
| S51 | 3    | ("5668611"   "5686939"  <br>"5777589").PN.   | US-PGPUB;<br>USPAT;<br>USOCR                            | OR | ON  | 2006/08/31 16:25 |
| S52 | 210  | pettitt.IN.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/08/31 16:53 |

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|-----|------|---|---|----|----|------------------|
| S53 | 38   | S52 and gregory   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/08/31 16:59 |
| S54 | 1909 | (digital and pixels and first and portion\$1 and select\$4 combination and bits\$1 and brightness).CLM.     | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/08/31 17:02 |
| S55 | 3    | (digital and pixels and first and portion\$1 and select\$4 and combination and bits\$1 and brightness).CLM. | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/08/31 18:14 |